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Whiteaves Joseph F.

COLONIAL AND INDIAN EXHIBITION.

CATALOGUE

OF

CANADIAN PINNIPEDIA, CETACEA, FISHES

AND

MARINE INVERTEBRATA

EXHIBITED BY THE

DEPARTMENT OF FISHERIES OF THE DOMINION GOVERNMENT.

BY

J. F. WHITEAVES, F.G.S., F.R.S.C.

OTTAWA.

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PINNIPEDIA.

FAMILY ODOBÆNIDÆ.—(Walruses.)

Odobænus rosmarus, L. (Sp.)—*Atlantic Walrus.*

Skull. Locality not stated. Also specimen, stuffed, from Hudson's Bay.

FAMILY PHOCIDÆ.—(Earless Seals.)

Phoca vitulina, L.—*Harbour Seal.*

No. 194. One specimen, stuffed, from the Gulf of St. Lawrence.

Phoca Grœnlandica, Fabricius.—*Harp Seal.*

Nos. 191, 192, 193. Specimens from one to three years old, from the Gulf of St. Lawrence.

One adult specimen from Blanc Sablon, Strait of Belle Isle.

Cystophora cristata, Erxleben.—*Hooded Seal.*

Nos. 188, 189. Two specimens, stuffed, from the Gulf of St. Lawrence.

CETACEA.

FAMILY DELPHINIDÆ.—(The Dolphins, etc.)

Nos. 198, 199. **Phocæna communis,** Cuvier.—*Common Porpoise.*

Two stuffed specimens from the Gulf of St. Lawrence.

FISHES.

In this list the classification and nomenclature adopted (except some of the local English names) are those of Jordan & Gilberts' "Synopsis of the Fishes of North America," published in 1883 in the 24th Volume of the Smithsonian Miscellaneous Collections.*

CLASS ELASMOBRANCHII.

SUB-CLASS SELACHII.
(The Sharks and Rays.)

ORDER SQUALI.
(The Sharks.)

FAMILY SCYMNIDÆ.—(The Sleeper Sharks.)

Somniosus microcephalus, Bloch. (Scymnus borealis, auct.)—*The Greenland Shark.*

No. 181. One large specimen, stuffed, from opposite the mouth of the Saguenay River, P. Q., the original weight of which was 600 lbs. Said to be a formidable foe of the whale.

* These identifications of fishes must be regarded as provisional to a certain extent, most of the species being represented by stuffed specimens, which could not be closely examined owing to their being mounted in closed cases.

FAMILY SPINACIDÆ.—(The Dog-fishes.)

Squalus acanthias, L.—*Picked Dog-fish.*

Nos. 155, 140 & 144. One female (stuffed) from British Columbia.
Two stuffed specimens from the Gulf of St. Lawrence.
Two fœtal specimens, in alcohol.

FAMILY LAMNIDÆ.—(The Porbeagles.)

Lamna cornubica, Gmelin.—*Beaumaris Shark—Porbeagle.*

No. 186. One male specimen (stuffed) from the Gulf of St. Lawrence.
No. 187. One female specimen from the Gulf of St. Lawrence.

ORDER RALÆ.
(The Rays.)

FAMILY RAIIDÆ.—(The True Rays.)

Raia radiata, Donovan.—*Starry Ray.*

No. 202. One specimen, in alcohol. With egg capsule.

Raia lævis, Mitchill.—*Smooth Skate.*

No. 179. Two large specimens from New Brunswick.

SUB-CLASS HOLOCEPHALI.
(The Chimæras.)

ORDER HOLOCEPHALI.
(The Chimæras.)

FAMILY CHIMÆRIDÆ.—(The Chimæras.)

Chimæra Colliæi, Bennett.—*Rat-fish—Elephant-fish.*

No. 163. Male and female (stuffed) from the coast of British Columbia.

Mr. Anderson, late Inspector of Fisheries for that province, says: "This fish is viviparous. The male is provided with a cartilaginous snout, armed with recurved teeth on its extremity. This projection is described as being used occasionally as a weapon of defense, but its normal use is that of a prehensile organ subservient to the purpose of reproduction."

CLASS PISCES.
(The True Fishes.)

SUB-CLASS CHONDROSTEI.
(The Sturgeons.)

ORDER SELACHOSTOMI.
(The Paddle-fishes.)

FAMILY POLYODONTIDÆ.—(The Paddle-fishes.)

Polyodon spathula, Walbaum.—*Paddle-nosed Sturgeon.*

No. 99. One stuffed specimen from Lake Ontario, near Sarnia, Ont.

ORDER GLANIOSTOMI.
(The Sturgeons.)

FAMILY ACIPENSERIDÆ.—(The Sturgeons.)

Acipenser sturio, L., **var oxyrhynchus,** Mitchill.—*Sharp-nosed Sturgeon—American Sturgeon.*

No. 196. One large stuffed specimen, about 8 ft. in length, from the St. Lawrence River.

No. 103. Seven small specimens from Lake Erie.

Nos. 111, 123. Two do. from the Lower St. Lawrence, and one from the same locality.

No. 203. Two small specimens in alcohol.

Acipenser brevirostris, Le Sueur.—*Short-nosed Sturgeon.*

No. 98. One large stuffed specimen from Lake Ontario.

Acipenser transmontanus, Richardson.—*White Sturgeon—Columbia River Sturgeon.*

No. 195. One stuffed specimen, whose weight when caught was 150 lbs., from the mouth of the Fraser River, British Columbia.

SUB-CLASS HOLOSTEI.
(The Bony Ganoids.)

ORDER GINGLYMODI.
(The Gar Pikes.)

FAMILY LEPIDOSTEIDÆ.—(The Gar Pikes.)

Lepidosteus osseus, L.—*Common Gar-pike—Long-nosed Gar.*

No. 8. Two stuffed specimens from Lake Ontario.
No. 8. (*a*) One specimen from the Gatineau River, P. Q.

ORDER HALECOMORPHI.
(The Amias.)

FAMILY AMIIDÆ.—(The Mud-fishes.)

Amia calva, L.—*Mud-fish—Beaver-fish—Dog-fish.*

No. 112. One stuffed specimen from Lake St. Peter, P. Q.
No. 159. Two stuffed specimens from Lake Ontario.

SUB-CLASS PHYSOSTOMI.
(The Soft-rayed Fishes.)

ORDER NEMATOGNATHI.
(The Cat-fishes.)

FAMILY SILURIDÆ.—(The Cat-fishes.)

Amiurus catus, L.—*Common Cat-fish—Small Cat-fish—Horned Pout.*

No. 133. Two stuffed specimens from Lake Ontario.

Ictalurus nigricans, Le Sueur.—*Lake Cat-fish—Great Forked-tailed Cat-fish.*

No. 131. One stuffed specimen from Lake Ontario.
No. 132. One stuffed specimen from Red River, Manitoba.

Order Eventognathi.
(The Plectospondylous Fishes.)

Family Catastomidæ.—(The Suckers.)

Carpiodes cyprinus, Le Sueur.—*High-finned Sucker—Quill-back—Sail-fish, etc.*

No. 147. One stuffed specimen from Lake Erie.

Catostomus Commersoni, Lacépède. (C. Teres, Mitchill.)—*Small-scaled Sucker—Common Sucker.*

No. 137. Two stuffed specimens from Lake Ontario.

Moxostoma aureolum, Le Sueur.—*Large-scaled Sucker—Red-finned Sucker.*

No. 124. One stuffed specimen from Lake Ontario.
No. 135. One stuffed specimen from Lake Ontario.
No. 136. One stuffed specimen from Ontario.
No. 146. Two stuffed specimens from Lake Ontario.

Order Isospondyli.
(The Isospondylous Fishes.)

Family Hyodontidæ.—(The Moon-Eyes.)

Hyodon tergisus, Le Sueur.—*Moon Eye—Toothed Herring.*

No. 63. Five stuffed specimens from Lake Ontario.

Family Clupeidæ.—(The Herrings.)

Clupea harengus, L.—*Common Herring—Labrador Herring.*

No. 204. Several specimens in alcohol, in one large bottle.

Clupea vernalis, Mitchill. (Alosa tyrannus, Storer.)—*Gaspereau—Alewife.*

No. 205. Six specimens in alcohol, in one bottle.

Clupea (Alosa) sapidissima, Wilson.—*Common Shad.*

No. 151. One stuffed specimen.
No. 153. One stuffed specimen.
No. 206. Six specimens in alcohol, in three bottles.

FAMILY SALMONIDÆ.—(The Salmon Family.)

Mallotus villosus, Muller.—*Capelin.*

No. 207. Three specimens, in alcohol, from the Gulf of St. Lawrence.

Osmerus mordax, Mitchill.—*American Smelt.*

No. 152. Eleven stuffed specimens from the Miramichi River, New Brunswick.

No. 208. A number of specimens in alcohol, in one large bottle.

Coregonus clupeiformis, Mitchill.—*Common White-fish.*

No. 31. Seven small stuffed specimens of a local variety from Lake Simcoe.

No. 32. Five specimens from Lake Erie.

No. 45. One large specimen, stuffed.

No. 46. One large specimen, stuffed.

No. 62. Four stuffed specimens of a variety from Ontario locally known as "greybacks."

Coregonus (Argyrosomus) Artedi, Le Sueur.—*Lake Herring—Cisco.*

No. 30. Nine stuffed specimens from Lake Erie.

No. 209. Three specimens in alcohol.

Onchorhynchus keta? Walbaum.—*Hook-nosed Salmon—Dog Salmon—Quā-lo.*

No. 14. One specimen from coast of British Columbia (stuffed).

No. 25. " " " " "

No. 36. " " " " "

No. 53. " " " " "

Onchorynchus tchawytcha, Walbaum. (Salmo quinnat, Richardson.)—*"Quinnat"—Spring Salmon—Saw-quai.*

No. 2. Large specimen from River's Inlet, opposite Queen Charlotte's Sound, B.C., which weighed 73 lbs. when caught.

No. 3. Another specimen from the same locality, which weighed 70 lbs. when caught.

No. 12. Another specimen from British Columbia.

No. 13. Specimen caught in Royal Roads, near Victoria, V. I., whose weight was 20 lbs.

Nos. 15, 35, and 37. Specimens from British Columbia. (One in case No. 35 doubtful.)

No. 56. Young specimen hatched at Newcastle, Ont.

No. 57. Five young salmon belonging to this species.

Onchorhynchus nerka? Walbaum.—*Suck-kai* or *Blue-back Salmon.*

No. 68. "Ripe" male, stuffed, from New Westminster; original weight 7½ lbs.

Salmo salar, L.—*Salmon—Atlantic Salmon.*

No. 1. Adult male in breeding season, from Restigouche River.

No. 10. Adult female, from the same river.

No. 11. Adult male, from the Restigouche River.

No. 22. Female, from Lake Ontario.

No. 23. Male, from Lake Ontario.

No. 24. Female, species doubtful; locality not stated.

No. 36. Specimen from Restigouche River.

No. 51. Specimen from Lake Ontario.

No. 52. Another specimen from the same locality.

No. 54. Two stuffed grilse from Lake Ontario.

No. 55. One specimen, species doubtful; locality not stated.

No. 210. Specimen raised artificially in pond at Tadoussac, which weighed 10 lbs. when caught. In alcohol.
Two young specimens in alcohol in one bottle.
Ten smolts or parrs in alcohol, in two bottles.
Number of fry in alcohol, in two bottles.

Salmo salar, var. Sebago.—*Land-locked Salmon—Winninish.*

No. 39. One specimen from Lake St. John, at the head of the Saguenay River, P. Q., stuffed.

Salvelinus namayoush, Bloch. Including the vars. *siscowet, confinis* and *toma.*—*Great Lake Trout—Lunge* (of Lake Memphremagog)—*Tuladi* (of New Brunswick).

No. 4. One large specimen from Lake Huron; weight 7½ lbs.; stuffed.

No. 9. One small specimen from the Province of Quebec. (With four other Salmonidæ.)

No. 16. One large specimen from Lake Superior.

No. 17. One large specimen of the variety *confinis*, known locally as the "black or copper lunge," from Lake Memphremagog, P. Q.

One in case No.
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No. 26.	Another from Lake Superior.
No. 27.	One from Lake Huron.
No. 28.	One from Lake Superior, known there as the "red salmon."
No. 29.	Five small specimens from Georgian Bay, Lake Huron.
No. 42.	Stuffed specimen, var. *toma* (the Tuladi) from Lake Metapedia.
No. 43.	Stuffed specimen, var. *toma* (the Tuladi) from Lake Metapedia.
No. 44.	One specimen from the Province of Quebec.
No. 58.	Specimen from Lake Superior, at Port Arthur, of the variety *siscowet*.
No. 59.	Specimen from the Province of Quebec.
No. 60.	Specimen from Lake Ontario; caught in breeding season.
No 61.	Specimen caught in breeding season; (locality not stated).
No. 75.	Specimen from the Province of Quebec.
No. 76.	Young of the "copper lunge" of Lake Memphremagog, P. Q. Young of the normal form of the species, from Georgian Bay, Lake Huron, for comparison.
No. 211.	Four specimens in alcohol, two in one bottle, and two in another.

Salvelinus malma? Walbaum.—*Pacific Red spotted Trout.*

Nos. 69 and 70.	Coquitlam River, Fraser River, B.C. Two stuffed specimens.

Salvelinus fontinalis, Mitchill.—*Speckled Trout—Brook Trout.* (Including the var. *immaculatus—The Sea Trout.*)

No. 9.	Two specimens, one from Restigouche River (stuffed).
No. 71.	Two specimens from the Province of Quebec.
Nos. 72, 73, 74 and 84.	Four from Nepigon Bay, Lake Superior, stuffed, in separate cases.
No. 85.	One from Restigouche River, stuffed.
No. 88.	One from the Moisie River, P. Q., stuffed (the var. *immaculatus*).
No. 212.	Ten in alcohol, in one bottle, and two (var. *immaculatus*) in another.

Order Haplomi.

Family Umbridæ.—(The Mud Minnows.)

Umbra limi, Kirtland.—*Black Minnow.*

No. 213. Several specimens in alcohol, in one bottle.

Family Esocidæ.—(The Pikes.)

Esox reticulatus, Le Sueur.—*Green Pike.*

No. 19. Three specimens from Lake Memphremagog, P. Q.
No. 93. One specimen from Lake Memphremagog, P. Q.

Esox lucius, L.—*Common Pike.*

No. 7. One specimen from Lake St. John, P. Q., which weighed 21 lbs., stuffed.
No. 18. One specimen from Ontario, stuffed.
No. 94. One specimen from Newcastle, Ontario, stuffed.

Esox nobilior, Thompson.—*Muskallunge—Maskinongé.*

No. 5. Specimen from Bay of Quinte, Ont., which weighed 42 lbs., stuffed.
No. 6. Specimen from Bay of Quinte, Ont., which weighed 35 lbs., stuffed.

Order Apodes.
(The Eels.)

Family Anguillidæ.—(The True Eels.)

Anguilla rostrata, Le Sueur.—*Common Eel.*

No. 106. Two specimens from the St. Lawrence River, P. Q., stuffed.
No. 133. One specimen from Lake Ontario, stuffed.
No. 214. One specimen, in alcohol.

Sub-class Physoclisti.
(Air bladder without duct, in the adult.)

Order Synentognathi.

Family Scomberesocidæ.—(The Gar-fishes and Flying-fishes.)

Scomberesox saurus, Walbaum.—*Saury—Skipper—Bill-fish.*

No. 215. One specimen from the Atlantic coast of Canada, in alcohol.

Order Lophobranchii.
(Gills tufted.)

Family Syngnathidæ.—(The Pipe-fishes.)

Siphostoma Californiense, Storer. (Sp.) (Syngnathus, auct.)—*Big Pipe-fish.*

No. 216. Six specimens from the coast of British Columbia, in alcohol.

Family Hippocampidæ.—(The Sea Horses.)

Hippocampus heptagonus, Rafinesque. (H. antiquorum, Leach, and H. Hudsonius, DeKay.)—*Sea Horse.*

No. 217. One specimen from the Atlantic coast of Canada, in alcohol.

Order Acanthopteri.
(The Spiny-rayed Fishes.)

Family Atherinidæ.—(The Silversides.)

Menidia notata, Mitchill.—*Silverside.*

No. 218. Twelve specimens from the Atlantic coast of Canada, in one bottle, in alcohol.

FAMILY AMMODYTIDÆ.—(The Sand Launces.)

Ammodytes Americanus, Dekay.—*American Sand Launce.*

No. 219. Many specimens from the Gulf of St. Lawrence, in alcohol, in two bottles.

FAMILY ECHENEIDIDÆ.—(The Remoras.)

Remora squalipeta, Daldorf. (Echeneis remora, L.)—*Remora.*

No. 220. Atlantic coast of Canada, one specimen in alcohol.

FAMILY SCOMBRIDÆ.—(The Mackerels.)

Scomber scombrus, L. *Common Mackerel.*

No. 139. Two specimens from the Gulf of St. Lawrence, stuffed.
No. 140. Three specimens from the Gulf of St. Lawrence, stuffed.
No. 221. Three specimens in alcohol, one in each bottle. Six specimens from the coast of Prince Edward Island, in one bottle.

Scomberomorus maculatus, Mitchill.—*Spanish Mackerel.*

No. 150. Two stuffed specimens.

Orycnus thynnus, L.—*Tunny—Horse Mackerel—Albicore.*

No. 182. One large specimen from the Saguenay district, which weighed 400 lbs. when caught; stuffed.

Euthynnus pelamys, L.—*Oceanic Bonito.*

No. 222. One specimen in alcohol.

FAMILY STROMATEIDÆ.—(The Broad Shiners.)

Stromateus triacanthus, Peck.—*Dollar fish—Harvest-fish—Butter-fish*

No. 223. Four specimens in alcohol, in two bottles.

FAMILY CENTRARCHIDÆ.—(The Sun-fishes.)

Pomoxys sparoides, Lacépède. *Calico Bass—Grass Bass—Strawberry Bass.*

No. 121. Four specimens from Burlington Bay, Ont.; stuffed.

Ambloplites rupestris, Rafinesque. (Centrarchus æneus, Cuv. & Val.)—*Rock Bass.*

No. 89. Two specimens from Lake Ontario, stuffed.
No. 90. One specimen from the Province of Quebec, stuffed.
No. 91. One specimen from the Province of Quebec, stuffed.
No. 92. Four specimens from Lake Ontario, also stuffed.

Lepomis gibbosus, L. (Pomotis vulgaris, Cuv. and Val., and P. auritus, auct.)—*Common Sun-fish.*

No. 134. Six specimens, stuffed, from the Bay of Quinte, Lake Ontario.

This and the preceding species are among the commonest fresh-water fishes of the Provinces of Ontario and Quebec.

Micropterus salmoides, Lacépède. (Huro nigricans, Cuv. and Val.) *Large-mouthed Black Bass—Oswego Bass.*

No. 20. Five specimens from the Bay of Quinte, Ont.; stuffed.
No. 48. One specimen from Rice Lake, Ont.; stuffed.
No. 49. One specimen from Rice Lake, Ont.; stuffed.
No. 175. One specimen from the upper Gatineau River, in the Ottawa valley.

FAMILY PERCIDÆ.—(The Perches.)

Perca Americana, Schranck.—*Yellow Perch—American Perch.*

No. 18. One specimen from the Bay of Quinte, Ont.; stuffed.
No. 223 (*a*) One specimen from the Ottawa River, in alcohol.

Stizostedium vitreum, Mitchill. (Lucioperca Americana, auct.)—*Dorée—American Pike Perch.*

No. 79. One large specimen from the Bay of Quinte, Ont.; stuffed.
No. 80. One large specimen from Lake Erie, Ont.; stuffed.
No. 81. Four small specimens from Lake Erie, Ont.; stuffed.

FAMILY SERRANIDÆ.—(The Sea Basses.)

Roccus lineatus, Bloch.—*Striped Bass.*

No. 21. One stuffed specimen from the Miramichi River, N. B.
No. 33. " " " "
No. 34. " " " "
No. 82. Five small specimens, stuffed, also from the Miramichi River, N. B.
No. 83. One specimen, stuffed, from the Miramichi River, N. B.
No. 224. Two specimens in alcohol.

Roccus chrysops? Rafinesque.—*White Bass—Bar-fish.*

No. 102. Six specimens from Lake Erie, stuffed.

Roccus Americanus, Gmelin.—*White Sea Perch.*

No. 225. One specimen, in alcohol.

FAMILY SCIÆNIDÆ.—(The Croakers or Maigres.)

Haploidonotus grunniens, Rafinesque.—*Sheepshead—Grunter.*

No. 110. One specimen from the Detroit River, Ont.; stuffed.
No. 122. " " " " "

FAMILY LABRIDÆ.—(The Wrasse-fishes.)

Ctenolabrus dispersus, Walbaum.—*Cunner—Blue Perch.*

No. 226. Six small specimens from the Gulf of St. Lawrence, in alcohol, in one bottle.

FAMILY CHIRIDÆ.—(The Chiroids.)

Hexagrammus decagrammus, Pallas.—*Rock Trout—Green Cod—Ling.*

No. 127. One specimen from Esquimalt Harbour, British Columbia.
No. 129. Another specimen from the same locality.

Ophiodon elongatus, Girard.—*Cultus Cod—Blue Cod—Ling.*

No. 104. One specimen from deep water near Victoria, V. I.
No. 113. Another specimen from deep water near Vietoria, V. I.
No. 161. Another specimen from the same locality.

FAMILY SCORPÆNIDÆ.—(The Rock-fishes.)

Sebastes marinus, L. (Perca Norwegica, Mull.)—*Rose-fish—Red-fish—Norway Haddock—Snapper.*

No. 169. One specimen from the Atlantic coast of Canada; stuffed.

Sebastodes ruber, Ayres.—*Red Rock-fish.*

No. 108. One specimen from the coast of British Columbia; stuffed.

According to the late Mr. Alexander C. Anderson, formerly Inspector of Fisheries for British Columbia, "this is considered to be one of the finest food-fishes of "that province. Its habitat is in very deep water, "along deep rocky shores. It attains a weight of "eleven or twelve pounds or more, and is little if at all "inferior to the Cod for salting. It is caught with "hook and line and is reported to be specially numerous "in the Goletas Channel, at the North end of Van-"couver Island."

Sebastodes ——?

No. 142. One specimen from the coast of British Columbia; stuffed.

Sebastodes nigrocinctus, Ayres.—*Black-banded Rock-fish.*

No. 227. One specimen from the coast of British Columbia, in alcohol.

FAMILY COTTIDÆ.—(The Sculpins.)

Hemitripterus Americanus, Gmelin.—*Sea Raven.*

No. 143. One specimen from the Atlantic coast of Canada; stuffed.
No. 228. Two specimens in alcohol.

Cottus octodecimspinosus, Mitchill.—*Common Sculpin.*

No. 143. Two specimens from the Gulf of St. Lawrence; stuffed.
No. 229. One specimen in alcohol.

Cottus æneus, Mitchill.—*Brazen Bullhead.*

No. 230. One small specimen from the Atlantic coast of Canada, in alcohol.

Blepsias cirrhosus, Pallas.

No. 231. One specimen from the coast of British Columbia, in alcohol.

FAMILY LIPARIDIDÆ.—(The Sea Snails.)

Liparis Montagui, Donovan.

No. 232. One specimen from the Atlantic coast of Canada, in alcohol.

FAMILY CYCLOPTERIDÆ.—(The Lump Suckers.)

Cyclopterus lumpus, L.—*Lump-sucker—Lump-fish.*

No. 125. One specimen from the Gulf of St. Lawrence; stuffed.

FAMILY BLENNIIDÆ.—(The Blennies.)

Cryptacanthodes maculatus, Storer.—*Wry-mouth—Ghost-fish.*

No. 233. One specimen from the Atlantic coast of Canada, in alcohol.

Anarrhichas lupus, L.—*Wolf-fish.*

No. 97. One specimen from the Gulf of St. Lawrence; stuffed.
No. 160. One small specimen from the mouth of the River St. Lawrence; stuffed.
No. 234. Two specimens in alcohol.

FAMILY LYCODIDÆ.—(The Eel Pouts.)

Zoarces anguillaris, Peck.—*Thick-lipped Eel Pout.*

No. 235. One specimen from the Atlantic coast of Canada or Gulf of St. Lawrence, in alcohol.

FAMILY GADIDÆ.—(The Cod-fishes.)

Lota maculosa? Le Sueur.—*Burbot—Fresh-water Ling.*

No. 154. Two specimens from Georgian Bay, Lake Huron; stuffed.

Brosmius brosme, Muller.—*Cusk.*

No. 162. One specimen from the Atlantic coast of Canada; stuffed.
No. 236. One specimen in alcohol.

Gadus æglifinus, L.—*Haddock.*

No. 114. One specimen from Halifax, N. S.; stuffed.
" " " " "
No. 116.
No. 237. Two specimens in alcohol.

Gadus callarias, L. (G. morrhua, L.)—*Cod-fish.*

No. 100. One large specimen from Halifax, N. S.; stuffed.
No. 101. One large specimen from the Gulf of St. Lawrence, which weighed 63 lbs. when caught; stuffed.
No. 105. One large specimen from the Gulf of St. Lawrence; stuffed.
No. 118. One specimen from Halifax, N. S.; stuffed.
" " " " "
No. 120.
No. 128. Two young specimens from the Gulf of St. Lawrence; stuffed.
No. 238. One specimen in alcohol.

Gadus tomcod, Walbaum.—*Tom-cod—Frost-fish.*

No. 141. Six typical specimens from Halifax, N. S.; stuffed.
No. 239. Four specimens in alcohol.

Order Heterosomata.
(The Flat-fishes.)

Family Pleuronectidæ.—(The Flounders.)

Bothus maculatus, Mitchill.—*Sand-flounder.*

No. 240. One specimen in alcohol.

Hippoglossus vulgaris, Fleming.—*Halibut.*

No. 171. Small specimen caught near Victoria, V. I., whose weight when caught was 35 lbs.; stuffed.

No. 183. One large specimen from the Gulf of St. Lawrence; stuffed.

No. 184. Another large specimen from the Gulf of St. Lawrence; stuffed.

No. 241. One small one in alcohol.

Hippoglossoides platessoides, Fabricius.—*Rough Dab.*

No. 107. Two large specimens from the Gulf of St. Lawrence; stuffed.

No. 242. One specimen in alcohol.

Pleuronectes bilineatus, Ayres.—"*Black Sole.*"

No. 168. One specimen from the coast of British Columbia; stuffed.

Pleuronectes stellatus, Pallas.—*California Flounder.*

No. 170. One specimen from the coast of British Columbia; stuffed.

Pleuronectes glaber, Storer.—*Smooth Flounder.*

No. 167. Two small females from the Gulf of St. Lawrence, stuffed.

Pleuronectes Americanus, Walbaum.—*Winter Flounder—Sand Dab.*

No. 167. Three specimens from the Gulf of St. Lawrence; stuffed, in the same case as the last.

ORDER PEDICULATI.
(The Pediculate Fishes.)

FAMILY LOPHIIDÆ.—(The Fishing Frogs.)

Lophius piscatorius, L.—*Angler or Fishing Frog.*

No. 185. One specimen from the Gulf of St. Lawrence; stuffed.

INVERTEBRATA.*

CRUSTACEA.

DECAPODA.

BRACHYURA.

A. (From the Gulf of St. Lawrence and Atlantic Coast of of Canada.)

Cancer irroratus Say.

No. 166. Four dried specimens.

No. 242. { One dried specimen from Métis, P. Q.
Five specimens in alcohol.

*Most of the invertebrata from the Gulf of St. Lawrence were contributed by Sir William Dawson, L.L.D., F.R.S., &c.

Hyas coarctata, Leach.

No. 243. Five dry specimens from Métis, P. Q. Four in one box and one in another.

Hyas aranea, L.

No. 244. One dry specimen from Gaspé, P. Q.

Chionoecetes opilio, Kroyer.

No. 245. { Carapace of a large specimen from the Moisie River, P. Q.
One small but entire specimen from Gaspé, P. Q.

ANOMURA.

Eupagurus pubescens? Kroyer. (Sp.)

No. 246. From Métis, P. Q.

MACRURA.

Homarus Americanus, M. Edwards.—*American Lobster.*

No. 109. Two dry specimens.
No. 178. One dry specimen.
No. 247. One specimen in alcohol, and a number of abnormal claws, dry.

Crangon vulgaris, Fabricius.—*Common Shrimp.*

No. 248. { Specimen from Métis, P. Q., dry.
Several specimens in alcohol.

Crangon boreas, Fabricius.—*Northern Shrimp.*

No. 249. { One dry specimen from Métis, P. Q.
One from a different locality, in alcohol.

Sabinea septemcarinata, Sabine.

No. 250. From the Bradelle Bank, east of Prince Edward Island.

Nectocrangon lar, Owen.

No. 251. From Métis, P. Q.

Hippolyte Fabricii, Kroyer.

No. 252. Three specimens from Métis, P. Q., dry.

Hippolyte spina, White.

No. 253. Three specimens from the Bradelle Bank, dry.

Hippolyte aculeata, Fabricius.

No. 254. From Métis, P. Q.

Pandalus Montagui, Leach. (P. annulicornis, Leach.)

No. 255. Three specimens from Métis, P. Q., and one from the Bay of Fundy, all dry. Also a number of specimens, exact locality not given, in alcohol.

ISOPODA.

No. 256. **Œga psora**, L.—*Parasite of Halibut.*

Two specimens in alcohol.

PYCNOGONIDA.

Pycnogonum littorale, Ström.

No. 257. One specimen from La Have Bank, U. S. Fish Commission, in alcohol.

CIRRIPEDIA.

Balanus, Sp. Undt.

Balanus, Sp. Undt.

Coronula diadema, Blainville.

No. 258. A number of specimens, dry, attached to a piece of whale's skin.

Lepas fascicularis, Ellis & Solander.

No. 259. Five specimens in alcohol.

B. (From the Pacific Coast.)

BRACHYURA.

Cancer magister, Dana.—*King Crab.*

No. 260. One specimen from near Victoria, V. I., in alcohol.

Echidnoceros cibarius, White.—*Great Stone Crab.*

No. 261. One specimen from near Victoria, V. I., in alcohol.

Small Crab, genus and species undetermined.

No. 262. Several specimens from near Victoria, V. I., in alcohol.

CIRRIPEDIA.

Balanus, Sp. Undt.

No. 263. Near Victoria, V. I.

MOLLUSCA.

A. (From the Gulf of St. Lawrence or Atlantic Coast.)

CEPHALOPODA.

DECAPODA.

Ommatostrephes illecebrosa, Le Sueur.—Common "*Squid*" of the Gulf of St. Lawrence.

No. 264. Several specimens (species doubtful) in one large bottle. Two others (which are almost certainly *O. illecebrosa,*) in separate bottles.

No. 165. Three dry specimens.

FAMILY NEPTUNIDÆ.

Sipho Kroyeri, Moller. (Sp.)

No. 265. Three dry specimens from Métis, P. Q.

Sipho pygmæus, Gould.

No. 266. Two dry specimens from the Bay of Fundy.

Neptunea despecta, L.

No. 267. From Métis, P. Q.

Neptunea decemcostata, Say.

No. 267 (*a*) One specimen.

FAMILY BUCCINIDÆ.

Buccinum undatum, L.

No. 268. Six specimens from Métis, P. Q.
Two specimens (locality not stated), dry, and four in alcohol, in one bottle.

Buccinum tenue, Gray.

No. 269. Three specimens from Métis, P. Q.

Buccinum plectrum, Stimpson.

No. 270. Two specimens from Métis, P. Q.

FAMLIY NASSIDÆ.

Nassa obsoleta, Say.

No. 271. Two dry specimens from Pointe du Chêne, N. B.

Nassa trivittata, Say.

No. 272. Six dry specimens from Pictou, N. S.

FAMILY PURPURIDÆ.

Purpura lapillus, L.

No. 273. Six dry specimens from Métis, P. Q.
Also specimens in alcohol, with egg capsules.

FAMILY MURICIDÆ.

Trophon scalariforme, Gould.

No. 274. Five specimens from Métis, P. Q.

Urosalpinx cinerea, Say.

No. 275. Four specimens from Prince Edward Island.

FAMILY TURRIDÆ.

Bela harpularia? Couthuoy.

No. 276. Three specimens from Métis, P. Q.

FAMILY CANCELLARIADÆ.

Admete viridula, Fabricius.

No. 277. Five specimens from Murray Bay, P. Q.

FAMILY APORRHAIDÆ.

Aporrhais occidentalis, Beck.

No. 278. Ten specimens from Métis, P. Q.

FAMILY TURRITELLIDÆ.

Turritella erosa, Couthuoy.

No. 279. Four specimens from Métis, P. Q., dry.

Turritella reticulata, Mighels.

No. 280. Seven specimens from Gaspé, P. Q., dry.

FAMILY LACUNIDÆ.

Lacuna vincta, Montagu.

No. 281. Six specimens from the Bay of Fundy, dry.

FAMILY LITTORINIDÆ.

Littorina littorea, L.

No. 282. Five specimens from Prince Edward Island.
Four specimens from Cape Breton, N. S.
Seven specimens from Nova Scotia; all dry.

Littorina rudis, Maton.

No. 283. Nine specimens from the Bay of Fundy, dry.

Littorina palliata, Say.

No. 284. Seven specimens from Pictou, N. S.; dry.

FAMILY TRICHOTROPIDÆ.

Trichotropis borealis, Broderip & Sowerby.

No. 285. Five specimens from Métis, P. Q.; dry.

FAMILY NATICIDÆ.

Natica clausa, Broderip & Sowerby.

No. 286. Six specimens from Métis, P. Q.; dry,

Lunatia heros, Say. (Sp.)

No. 287. Eight specimens from Pictou, N. S.; dry.

Lunatia triseriata, Say. (Sp.)

No. 288. Four specimens from the Bay of Fundy; dry.

Lunatia Grœnlandica, Moller. (Sp.)

No. 289. Five specimens from Gaspé Bay, P. Q.; dry.

FAMILY VELUTINIDÆ.

Velutina (Morvillia) undata, Brown. (V. zonata, Gould,)

No. 290. Two specimens from Murray Bay, P. Q., dry.

Velutina lævigata, L.

No. 291. One dry specimen from Gaspé Bay, P. Q.

FAMILY CALYPTRÆIDÆ.

Crepidula fornicata, Lamarck.

No. 292. { Five specimens from Pictou, N. S., dry.
A few specimens in alcohol.

FAMILY TROCHIDÆ.

Margarita cinerea, Couthuoy.

No. 293. Six specimens from Métis, P. Q.; dry.

Machœroplax varicosa, Mighels. (Sp.)

No. 294. Five specimens from Métis, P. Q.; dry.

FAMILY TECTURIDÆ.—(Acmæidæ.)

Acmæa testudinalis, Muller.

No. 295. Six specimens from Tadoussac, P. Q.; dry.

FAMILY CHITONIDÆ.

Amicula vestita, Gray, var. **Emersoni,** Couthuoy.

No. 296. One specimen from Rivière du Loup, dry.

Tonicella marmorea, Fabricius.

No. 297. Two specimens from Gaspé Bay, P. Q.; dry.

CONCHIFERA.

FAMILY PHOLADIDÆ.

Zirphæa crispata, L.

No. 298. One specimen from Sable Island, near Halifax, N. S.; dry.

FAMILY SAXICAVIDÆ.

Saxicava rugosa, Lamarck.

No. 299. Four specimens from Nova Scotia, dry.
Four specimens burrowing into nullipore, and one specimen in alcohol.

FAMILY MYIDÆ.

Mya arenaria, L.

No. 300. { Several specimens from Gaspé and Métis, P. Q.; dry.
Two bottles full of specimens in alcohol.

Mya truncata, L.

No. 301. Seven specimens from Métis, P. Q.

Cyrtodaria siliqua, Spengler.

No. 301 (*a*) One perfect specimen, and three single valves, dry.

FAMILY ANATINIDÆ.

Cochlodesma Leanum, Conrad.

No. 302. Two specimens from Pictou, N. S.; dry.

Lyonsia arenosa, Möller.

No. 303. One specimen from Gaspé Bay, P. Q.; dry.

Pandora (Kennerlia) glacialis, Leach.

No. 304. One specimen from Gaspé Bay, P. Q.; dry.

FAMILY SOLENIDÆ.

Ensatella Americana, Gould. (Sp.)

No. 305. { Seven specimens from Métis, P. Q.; dry.
One specimen in alcohol, locality not stated.

Siliqua costata, Say.

No. 306. Four specimens from the Bay of Fundy; dry.

FAMILY TELLINIDÆ.

Macoma calcarea, Chemnitz.

No. 307. One specimen from Gaspé Bay, P. Q.; dry.

Macoma fragilis, Fabricius. (Tellina Grœnlandica, Beck.)

No. 308. Four specimens from Tadoussac, P. Q.; dry.

Macoma inflata, Stimpson.

No. 309. Three specimens from Murray Bay, P. Q.; dry.

FAMILY PAPHIIDÆ.

Ceronia deauratum, Turton.

No. 310. Four specimens from Métis, P. Q.; dry.

FAMILY MACTRIDÆ.

Mactra (Spisula) solidissima, Dillwyn.

No. 311. Thirteen specimens from the Bay of Fundy; dry.

Mactra (Spisula) ovalis, Gould.

No. 312. One perfect specimen, and one single valve from Gaspé Bay, P. Q.

FAMILY VENERIDÆ.

Mercenaria violacea, Schumacher. (Venus mercenaria, Say.)

No. 313. One perfect specimen and six single valves, dry, from Pictou, N. S., and Prince Edward Island. Also a bottle of specimens, locality not stated, in alcohol.

Callista convexa, Say. (Sp.)

No. 314. One specimen from Prince Edward Island, dry.

Liocyma fluctuosa, Gould.

No. 315. Three specimens from the Bradelle Bank, off P.E.I.; dry.

Petricola pholadiformis, Say.

No. 316. One specimen from Prince Edward Island; dry.

FAMILY ASTARTIDÆ.

Astarte lactea, Broderip & Sowerby.

No. 317. Two left valves, from Métis, P. Q.

Astarte elliptica, Brown.

No. 318. Four specimens from Métis, P. Q ; dry.

Astarte Banksii, Leach.

No. 319. Six specimens from Métis, P. Q.; dry.

FAMILY CYPRINIDÆ.

Cyprina Islandica, L.

No. 320. Three specimens from the Bay of Fundy; dry.

FAMILY CARDIADÆ.

Serripes Grœnlandicus, Gmelin.

No. 321. Five specimens from Métis, P. Q.; dry.

Cardium pinnulatum, Conrad.

No. 322. Two specimens from Gaspé Bay, P. Q.; dry.

Cardium Islandicum, L.

No. 323. Four specimens from Gaspé Bay, dry.

FAMILY UNIONIDÆ.

Margaritana margaritifera, L. (Fresh-water Pearl-mussel.)

No. 337 (*a*) Several specimens in alcohol, locality not stated, in one bottle.

FAMILY ARCIDÆ.

Arca pectunculoides, Scacchi.

No. 324. Two specimens from between Anticosti and Cape Rosier Lighthouse, in 200 fathoms mud; dry.

FAMILY LEDIDÆ.

Yoldia myalis, Couthuoy.

No. 325. Specimens from Nova Scotia; dry.

Yoldia thraciæformis, Storer.

No. 325 (*a*) Two specimens in alcohol.

Yoldia sapotilla, Gould.

No. 326. Two specimens from Pictou, N. S.; dry.

Yoldia limatula, Say.

No. 326 (*a*) Two specimens.

Leda pernula, Muller.

No. 327. Three specimens from Métis, P. Q.; dry.

Leda minuta, Muller.

No. 328. One specimen from Gaspé Bay, P. Q.

FAMILY NUCULIDÆ.

Nucula tenuis, Montagu.

No. 329. Two specimens from Labrador; dry.

FAMILY MYTILIDÆ.

Crenella glandula, Totten.

No, 330. Four specimens from Gaspé Bay, P. Q.; dry.

Crenella pectinula, Gould.

No. 331. Seven specimens from Murray Bay, P. Q.; dry.

Modiolaria corrugata, Stimpson.

No. 332. Four specimens from Murray Bay, P. Q.; dry.

Modiolaria lævigata, Gray.

No. 333. Two specimens from Gaspé Bay, P. Q.; dry.

Modiolaria nigra, Gray.

No. 334. Three specimens from Gaspé Bay, P. Q.; dry.

Modiola plicatula, Lamarck.

No. 335. Three specimens from Pictou, N. S., dry, and one bottle full of specimens in alcohol.

Modiola modiolus, L.

No. 336. Two specimens from Nova Scotia, dry, and a bottle full of specimens in alcohol.

Mytilus edulis, L.

No. 337. Five specimens from Métis, P. Q., dry, and two bottles full of specimens in alcohol.

FAMILY PECTINIDÆ.

Pecten tenuicostatus, Mighels. (P. Magellanicus, Lamarck.)

No. 338. Four dry specimens and nine in alcohol. The exact locality or localities of these are not stated, but the species ranges from Gaspé Bay southward to Cape Cod.

Pecten Islandicus, L.

No. 339. Five specimens from the northern part of the Gulf of St. Lawrence; dry.

Pecten Grœnlandicus, Sowerby.

No. 340. Three dry specimens, from between Cape Rosier, Gaspé and the S. W. point of Anticosti, in 200 fathoms mud.

FAMILY ANOMIADÆ.

Anomia ephippium, L.

No. 341. Two specimens from Prince Edward Island; dry.

FAMILY OSTREIDÆ.

Ostrea Virginiana, Lister, and var. **borealis**, Lamarck.
American Oyster.

No. 342. One cluster of the short form (variety *borealis*) and a number of the long and typical form; the latter from Prince Edward Island.

B. (From the Pacific Coast of Canada.)

CEPHALOPODA.

Ommatostrephes, Sp. Undt.

Specimens in alcohol.

GASTEROPODA.

FAMILY PURPURIDÆ.

Cerostoma foliatum, Gmelin.

Two specimens from the Queen Charlotte Islands; dry.

FAMILY TRITONIDÆ.

Priene Oregonensis, Redfield.

No. 343. One specimen from near Victoria, V. I.; dry.

FAMILY NATICIDÆ.

Lunatia Lewisii, Gould.

No. 344. One specimen from near Victoria, V. I.; dry.

FAMLIY TROCHIDÆ.

Pachypoma gibberosum, Chemnitz.

No. 345. Two specimens from near Victoria, V. I.; dry.

FAMLY HALIOTIDÆ.

Haliotis Kamtschatkana, Jonas.

No. 345 (*a*) Three specimens from the Queen Charlotte Islands; dry.

FAMILY CHITONIDÆ.

Katherina tunicata, Gray.

No. 346. One specimen from near Victoria, V. I.; dry.

Cryptochiton Stelleri, Middendorf.

No. 347. One specimen from near Victoria, V. I., in alcohol.

CONCHIFERA.

Family Pholadidæ.

Zirphæa crispata, L.

No. 348. Two specimens from near Victoria, V. I., in alcohol.

Family Anatinidæ.

Lyonsia saxicola, Baird.

No. 349. One specimen from near Victoria, V. I.; dry.

Family Mactridæ.

Schizothærus Nuttalli, Conrad. (Tresus maximus, Midd.)

No. 350. Semi-fossil from Esquimalt Harbour, V. I.; two perfect specimens and two odd valves.

Family Veneridæ.

Saxidomus squalidus, Deshayes.

No 351. Specimens from near Victoria, V. I., in alcohol.

Family Cardiadæ.

Cardium Nuttalli, Conrad.

No. 352. Two specimens, dry, and a bottle full of specimens in alcohol.

Family Mytilidæ.

Mytilus Californianus, Conrad.

No. 353. Four specimens from near Victoria, V. I.; dry.

Mytilus edulis, L.

No. 353 (*a*) Near Victoria, V. I.

Modiola modiolus, L.

No. 353 (*b*) Four specimens from near Victoria, V. I.; dry.

FAMILY PECTINIDÆ.

Pecten caurinus, Gould.

No. 355. One specimen from the Strait of Georgia; dry.

FAMILY SPONDYLIDÆ.

Hinnites giganteus, Gray.

No. 354. Three specimens from near Victoria, V. I.; dry.

FAMILY OSTREIDÆ.

Ostrea lurida, Carpenter.

No. 356. One large jar of specimens from near Victoria, V. I., in alcohol.

BRACHIOPODA.

FAMILY TEREBRATULIDÆ.

Terebratulina septentrionalis, Couthuoy.

No. 357. { One dry specimen from the Bay of Fundy.
Three specimens in alcohol.

Terebratella Spitzbergensis, Davidson.

No. 358. Two specimens from Murray Bay, P. Q.; dry.

FAMILY RHYNCHONELLIDÆ.

Rhynchonella psittacea, Gmelin.

No. 359. Five specimens from Murray Bay, P. Q.; dry.

TUNICATA.

FAMILY ASCIDIADÆ.

Holocynthia pyriformis, Rathke.

No. 360. One specimen from Métis, P. Q.

Pelonaia arenifera, Stimpson.

No. 361. Two specimens from the Straits of Northumberland, off Richibucto; dry.

Boltenia Bolteni, L.

No. 362. One specimen from Métis, P. Q., dry. Also one specimen in alcohol, locality not stated.

POLYZOA.

Escharopsis lobata, Lamoroux. (Escharoides Sarsii, Smitt.)

No. 363. One specimen from the Orphan Bank, Gulf of St. Lawrence.

Porella (Eschara) elegantula, d'Orbigny.

No. 364. One specimen from the Orphan Bank, Gulf of St. Lawrence.

Leieschara subgracile, d'Orbigny.

No. 365. One specimen from the Gulf of St. Lawrence.

Celleporaria surcularis, Packard.

No. 366. One specimen from the Orphan Bank, Gulf of St. Lawrence.

ECHINODERMATA.

Order Holothuroidea.

Psolus phantapus, Oken.

No. 367. One dry specimen from Métis, P. Q. Also one in alcohol, locality not stated.

Pentacta frondosa, Jæger.

No. 368. One specimen from the Gulf of St. Lawrence, in alcohol.

Order Echinoidea.

Strongylocentrotus Drobachiensis, Muller. (Sp)

No. 369. Three specimens from Métis, P. Q., dry; also two dry specimens and two bottles of specimens in alcohol, locality not stated, but from the Gulf of St. Lawrence or Atlantic coast of Canada.

Loxechinus purpuratus, Stimpson.

No. 370. Four specimens from near Victoria, V. I.; dry.

Echinarachnius parma, L.

No. 371. Six dry specimens from Gaspé, P. Q.
No. 176. Two dry specimens.

Order Asteroidea.

Asterias polaris, Muller & Troschel.

No. 372. One dry specimen from Métis, P. Q.
No. 176. Another dry specimen.

Asterias vulgaris, Stimpson.

No. 373. Two specimens from Gaspé, P. Q.; dry.
Represented also in case No. 176.

Asterias littoralis, Stimpson.

No. 374. Two specimens from the Bay of Fundy; dry.
Represented also in case No. 176.

Cribrella sanguinolenta, Muller. (Sp.)

No. 375. Three dry specimens from Métis, P. Q.

Crossaster papposus, L. (Sp.)

No. 376. One specimen from the Gulf of St. Lawrence, dry, and another in case No. 176.

Solaster endeca, L.

No. 377. One specimen from Murray Bay, P. Q.; dry.

ORDER OPHIUROIDEA.

Ophioglypha nodosa, Lutken.

No. 378. Three specimens from Kamouraska, P. Q.; dry.

Ophioglypha Sarsii, Lutken.

No. 379. Two specimens from Kamouraska, P. Q ; dry.

Ophiopholis aculeata, Muller.

No. 380. Four specimens from Gaspé, P. Q.; also several specimens from the Gulf of St. Lawrence, in alcohol.

ORDER ASTROPHYTIDÆ.

Astrophyton Agassizii, Stimpson.

No. 381. One dry specimen from the Gulf of St. Lawrence.
No. 177. Another large specimen from the same locality.

ANTHOZOA.

Order Alcyonaria.

Alcyonium rubiforme, Ehrenberg.

No. 382. Two dry specimens from the Gulf of St. Lawrence.

Pennatula aculeata, Danielssen.

No. 383. Two specimens from between Cape Rosier and the S. W. point of Anticosti, in 200 fathoms mud; dry.

Verrillia Blakei, Stearns.

No. 384. Three specimens in alcohol, from Burrard's Inlet, B. C.

PORIFERA.—(Sponges.)

Order Silicea.

Isodictya infundibuliformis? (or **Phakellia** sp.)

No. 385. Two specimens from Métis, P. Q.; dry.

Isodictya (or **Phakellia**). Species undetermined.

No. 386. Four specimens from Métis, P. Q.

Halichondria panicea, L.

No. 387. Two specimens from Métis, P. Q.

Order Keratosa.

Chalina oculata, Pallas.

No. 388. Three specimens from the Gulf of St. Lawrence.

Also a number of sponges, undetermined, from Clayoquot Sound, Fort Rupert and Nootka Sound, V. I., and from Masset in the Queen Charlotte Islands.

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